

<b>FORM PTO-1449</b>  <b>INFORMATION DISCLOSURE STATEMENT</b>		Atty Docket LUTEC 0008		Application No. To Be Assigned	
		Applicant Allen P. Mills, Jr., et al.			
		Filing Date Concurrently		Group 1155	

JCI35 U.S. PTO  
 09/12/95  
 08/26/98

U.S. PATENT DOCUMENTS							
Examiner Initial	Document Number	Date	Name	Class	Sub-Class	Filing Date	
	AA	5,412,087	5-2-95	McGall et al.	536	29.3	
	AB	5,445,934	8-29-95	Fodor et al.	435	6	
	AC	5,605,662	2-25-97	Heller et al.	422	68.1	
	AD	5,503,980	4-2-96	Cantor	435	6	
	AE	5,545,531	8-13-96	Rava et al.	435	6	
AF							

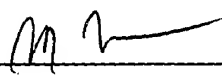
FOREIGN PATENT DOCUMENTS							
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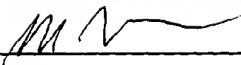
OTHER (Including Author, Title, Date, Pertinent Pages, etc.)	
	AJ Leonard M. Adleman, "Molecular Computation of Solutions to Combinatorial Problems", November 11, 1994, Science, Vol. 266, pp. 1021-1024.
	AK Richard J. Lipton, "DNA Solution of Hard Computational Problems", April 28, 1995, Science, Vol. 268, pp. 542-545.
	AL J.J. Hopfield, "Neural networks and physical systems with emergent collective computational abilities", April 1982, Proc. Natl. Acad. Sci. USA, Vol. 79, pp. 2554-2558.
	AM Will Penny et al., "Neural Networks in Clinical Medicine", Oct-Dec. 1996, Vol. 16/ No. 4, pp. 386-398.
	AN Jerome A. Feldman et al., "Computing with Structured Neural Networks", IEEE ASSP Magazine, March 1988, pp. 91-103.
	AO Bruce D. Shriver, "Artificial Neural Systems" IEEE ASSP Magazine, March 1988, pp. 8-9.

Examiner	Date Considered 11/3/95
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EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

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<b>U.S. PATENT DOCUMENTS</b>							
Examiner Initial		Document Number	Date	Name	Class	Sub- Class	Filing Date
	AA						
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<b>FOREIGN PATENT DOCUMENTS</b>							
		Document Number	Date	Country	Class	Sub- Class	Trans- lation
	AG						
	AH						
	AI						
<b>OTHER (Including Author, Title, Date, Pertinent Pages, etc.)</b>							
<b>M</b>	BJ	Teuvo Kohonen, The "Neural" Phonetic Typewriter, IEEE ASSAP Magazine, March 1988, pp. 11-22.					
<b>.</b>	BK	Kunihiko Fukushima, "A Neural Network for Visual Pattern Recognition", IEEE ASSAP Magazine, March 1988, pp. 65-75.					
<b>.</b>	BL	Hans. P. Graf et al., "VLSI Implementation of a Neural Network Model", IEEE ASSAP Magazine, March 1988, pp. 41-52.					
<b>.</b>	BM	Gail A. Carpenter, "The ART of Adaptive Pattern Recognition by a Self-Organizing Neural Network", IEEE ASSAP Magazine, March 1988, pp. 77-88.					
<b>✓</b>	BN	Bernard Widrow et al., "Neural Nets For Adaptive Filtering and Adaptive Pattern Recognition", IEEE ASSAP Magazine, March 1988, pp 25-39.					
<b>W</b>	BO	Frank Guarnieri et al., "Making DNA Add", Science, Vol. 273, July 12, 1996, pp. 220-223.					
Examiner <b>M</b>					Date Considered <b>11/31</b>		
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	AA						
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<b>FOREIGN PATENT DOCUMENTS</b>							
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	AG						
	AH						
	AI						
<b>OTHER (Including Author, Title, Date, Pertinent Pages, etc.)</b>							
M	CJ	John S. Oliver, "Matrix Multiplication with DNA", J. Mol Evol (1997) 45:161-167.					
	CK	Eric B. Baum, "Building an Associative Memory Vastly Larger Than The Brain", April 28, 1995, Science, Vol. 268, pp. 583-585.					
	CL	R. Deaton et al., "Reliability and Efficiency of a DNA-Based Computation", January 12, 1998, Physical Review Letters, Vol. 80, Number 2, pp. 417-420.					
✓	CM	Andrew Marshall et al., "DNA chips: An array of possibilities", January 16, 1998, Nature Biotechnology, Vol. 16, pp. 27-31.					
✓	CN	Ann Caviani Pease et al., "Light-generated oligonucleotide arrays for rapid DNA sequence analysis", May 1994, Proc. Natl. Sci. USA, Vol. 91, pp. 5022-5026.					
M	CO	R. Corn, DNA Computing Overview, <a href="http://www.corninfo.chem.wisc.edu/writings/DNAoverview.html">http://www.corninfo.chem.wisc.edu/writings/DNAoverview.html</a> , March 13, 1998, pp. 1-3.					
Examiner 					Date Considered 4/3/99		
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Examiner Initial		Document Number	Date	Name	Class	Sub- Class	Filing Date
	AA						
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	AG						
	AH						
	AI						
<b>OTHER (Including Author, Title, Date, Pertinent Pages, etc.)</b>							
R.	DJ	R. J. Britten et al., "Repeated Sequences in DNA", Science, August 9, 1968, Vol. 161, Number 3841, pp. 529-540.					
J.	DK	Graham Ramsay, "DNA chips: State-of-the-art", Nature Biotechnology, Vol. 16, January 1998, pp. 40-44.					
J.	DL	Chad A. Mirkin et al., "A DNA-based method for rationally assembling nanoparticles into macroscopic materials", Nature, Vol. 382, August 15, 1996, pp. 607-609.					
R.	DM	Sanjay Tyagi et al., "Multicolor molecular beacons for allele discrimination", Nature Biotechnology, Vol. 16, January 1998, pp. 49-53.					
	AN						
	AO						
Examiner 					Date Considered 11/2/98		
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